



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77089

July 9, 2019

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review
Raymond Flores
FROM: Raymond Flores, ESAT Regional Project Officer
Environmental Services Branch (6LASBE)
TO: Kenneth Shewmake, Superfund Project Manager (6SEDAS)

Site: LANE PLATING WORKS

Case#: 48266

SDG#: MF9L18

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: July 5, 2019
061

TO: Raymond Flores, ESAT PO, Region 6 EPA
FROM: Sonya Meekins, Data Reviewer, ESAT
THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT
SUBJECT: CLP Data Review 063

Contract No.: EP-W-13-026
TO No.: 002
Task/Sub-Task: 2-12
ESAT Doc. No.: 1902-212-0017
TDF No.: 6-19-115A
ESAT File No.: I-0753

Attached is the data review summary for Case # 48266

SDG # MF9L18

Site Lane Plating Works

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 REGION 6
 HOUSTON BRANCH
 10625 FALLSTONE ROAD
 HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	48266	SITE	Lane Plating Works
LABORATORY	ALS	NO. OF SAMPLES	18
CONTRACT#	EP-W-14-027	MATRIX	Soil
SDG#	MF9L18	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM02.4	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2A6MS	COMPLETION DATE	July 5, 2019

SAMPLE NO.	MF9L18	MF9L22	MF9L26	MF9L30	MF9L35
	MF9L19	MF9L23	MF9L27	MF9L31	MF9M28
	MF9L20	MF9L24	MF9L28	MF9L33	
	MF9L21	MF9L25	MF9L29	MF9L34	

DATA ASSESSMENT SUMMARY

	ICP-AES	ICP-MS	HG	CN
1. HOLDING TIMES	O	O	O	O
2. CALIBRATIONS	O	O	O	O
3. BLANKS	O	O	O	O
4. MATRIX SPIKES	O	O	O	M
5. DUPLICATE ANALYSIS	O	O	O	O
6. ICP QC	O	O		
7. LCS	O	O		
8. SAMPLE VERIFICATION	O	O	O	O
9. OTHER QC	N/A	N/A	N/A	N/A
10. OVERALL ASSESSMENT	O	O	O	M

O = Data had no problems.

M = Data qualified due to major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN: The cyanide matrix spike recovery was below the expanded QC limit for soils.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 48266 SDG MF9L18 SITE Lane Plating Works LAB ALS

COMMENTS: This SDG consisted of 18 soil samples for total metals (by ICP-AES & ICP-MS), mercury, and cyanide analyses following SOW ISM02.4. The sampler designated sample MF9L18 as the QC sample.

The SOW requires that the soil sample results be adjusted for moisture content and dilution, which raised some adjusted QLs above the CRQLs specified in the SOW. The adjusted CRQLs were reported by the laboratory.

S4VEM was performed for this package as requested by the Region. The target analytes of concern with the action levels are chromium (1.0 mg/kg), lead (1.0 mg/kg), mercury (0.1 mg/kg), and cyanide (0.5 mg/kg). Chromium and lead had concentrations above the action level in all samples. Mercury had concentrations above the action level in four samples, and cyanide had a concentration above the action level in one sample. The laboratory diluted up to 10X and reanalyzed all samples because of high calcium concentrations.

OVERALL ASSESSMENT: The cyanide results were qualified because of a matrix spike recovery problem. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U Not detected at reported quantitation limit.
- L Reported concentration is between the MDL and the CRQL.
- J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.
- R Result is unusable.
- F A possibility of a false negative exists.
- UC Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.
- + High biased. Actual concentration may be lower than the concentration reported.
- Low biased. Actual concentration may be higher than the concentration reported.
- W The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

GAGE	SPCS	LABID	MATRIX	QCQCDE	ANDATE	ANTINE	CASNUM	ANALYTE	COND	VALDQAL	UNITS	ADJSQL	SUPDATE	PUPDATE	LUPDATE	PERSONL	SMPTVYL	FINVOL	METHOD	STATLOC	CVLEVN
485858	MEFL18	MEFL18	MEFL18	191318863001	Field_Sample	05/30/2019	13:25:36	7440-38-0	Antimony	1.1	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	68.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-38-0	Cobalt	6.7	U	mg/kg	0.98	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-38-3	Barium	31.4	U	mg/kg	5.6	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-41-7	Beryllium	0.56	U	mg/kg	0.66	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-43-8	Cadmium	0.56	U	mg/kg	0.98	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-47-3	Chromium	56.3	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-48-4	Copper	4.3	U	mg/kg	0.68	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-28-0	Thallium	0.032	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-62-8	Vanadium	16.7	U	mg/kg	2.6	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-63-1	Lead	6.1	U	mg/kg	0.56	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-42-0	Nickel	15.8	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-48-2	Selenium	2.8	U	mg/kg	2.8	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-49-4	Silver	0.88	U	mg/kg	0.98	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-50-3	Barium	117	U	mg/kg	0.65	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.9-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-52-0	Nickel	0.032	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-53-2	Vanadium	16.7	U	mg/kg	2.6	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-63-6	Zinc	22.7	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-48-0	Antimony	1.2	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-53-0	Cadmium	1.03	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-53-8	Copper	9.8	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-59-3	Barium	42.5	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-62-1	Lead	14.8	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-62-0	Nickel	22.7	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-63-2	Selenium	3.1	U	mg/kg	3.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-64-8	Chromium	11.3	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-68-4	Cobalt	10.6	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-78-8	Thallium	0.032	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-4	Vanadium	42.5	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-6	Zinc	28.5	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-7	Antimony	1.2	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-8	Cadmium	1.03	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-9	Chromium	10.4	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-4	Lead	21.4	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-5	Nickel	0.032	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-6	Vanadium	42.5	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-7	Zinc	28.5	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-8	Antimony	1.2	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-9	Cadmium	1.03	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-4	Chromium	10.4	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-5	Cobalt	1.03	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-6	Barium	30.8	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-7	Lead	14.27	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-8	Copper	8.7	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-9	Chromium	12.8	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-4	Thallium	0.032	U	mg/kg	1.1	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-5	Antimony	14.27	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-6	Cadmium	3.03	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-7	Chromium	14.27	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-8	Cobalt	1.03	U	mg/kg	1.2	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-9	Barium	10.4	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-4	Lead	14.27	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-5	Copper	8.7	U	mg/kg	0.62	0.6713/2019	05/24/2019	05/14/2019	89.3	MS	DSB-2.8-0.1-1.0	SAVEN	
					Field_Sample	05/30/2019	13:25:38	7440-82-6	Chromium	12.8	U	mg/kg	0.62	0.6713/201							

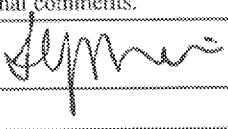
462356	MFSL.18	MFSL.23	19-14039305	S	Field_Sample	0523202013	13:34:10	7438:37:6	Mercury	0.020	L3	mgng	0.11	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039305	S	Field_Sample	0523202013	13:36:17	7438:37:6	Mercury	0.015	L3	mgng	0.13	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039307	S	Field_Sample	0523202013	13:36:25	7438:37:6	Mercury	0.087	U	mgng	0.997	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039308	S	Field_Sample	0523202013	13:37:33	7438:37:6	Mercury	0.14	L3	mgng	0.12	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039309	S	Field_Sample	0523202013	13:38:40	7438:37:6	Mercury	0.030	L3	mgng	0.13	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039310	S	Field_Sample	0523202013	13:36:47	7438:37:6	Mercury	0.10	U	mgng	0.10	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039304	S	Field_Sample	0523202013	13:26:20	7438:37:6	Mercury	0.46	L3	mgng	0.13	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039305	S	Field_Sample	0523202013	13:27:27	7438:37:6	Mercury	0.024	L3	mgng	0.11	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039306	S	Field_Sample	0523202013	13:26:34	7438:37:6	Mercury	0.11	U	mgng	0.11	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039311	S	Field_Sample	0523202013	13:40:55	7438:37:6	Mercury	0.079	L3	mgng	0.10	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039312	S	Field_Sample	0523202013	13:42:03	7438:37:6	Mercury	0.061	L3	mgng	0.11	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039301	S	Field_Sample	0523202013	13:43:10	7438:37:6	Mercury	0.11	U	mgng	0.11	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039311	S	Field_Sample	0523202013	13:44:10	7438:37:6	Mercury	0.037	L3	mgng	0.12	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039314	S	Field_Sample	0523202013	13:44:10	7438:37:6	Mercury	0.53	L3	mgng	0.63	CV	0.6342
462356	MFSL.18	MFSL.23	19-14039318	S	Field_Sample	0523202013	18:30:03	57:12:5	Cyanide	0.57	L3	mgng	0.57	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039319	S	Field_Sample	0523202013	18:31:03	57:12:5	Cyanide	0.85	L3	mgng	0.85	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039302	S	Field_Sample	0523202013	18:31:24	57:12:5	Cyanide	0.59	L3	mgng	0.58	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039321	S	Field_Sample	0523202013	18:34:03	57:12:5	Cyanide	0.71	L3	mgng	0.71	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039304	S	Field_Sample	0523202013	18:35:32	57:12:5	Cyanide	0.63	L3	mgng	0.63	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039305	S	Field_Sample	0523202013	18:36:15	57:12:5	Cyanide	0.16	L3	mgng	0.57	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039306	S	Field_Sample	0523202013	18:38:33	57:12:5	Cyanide	0.56	L3	mgng	0.56	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039307	S	Field_Sample	0523202013	18:39:27	57:12:5	Cyanide	0.92	L3	mgng	0.58	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039309	S	Field_Sample	0523202013	18:38:45	57:12:5	Cyanide	0.12	L3	mgng	0.84	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039310	S	Field_Sample	0523202013	18:39:22	57:12:5	Cyanide	0.54	L3	mgng	0.54	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039304	S	Field_Sample	0523202013	18:26:51	57:12:5	Cyanide	5.1	J	mgng	0.68	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039305	S	Field_Sample	0523202013	18:27:08	57:12:5	Cyanide	0.61	U	mgng	0.61	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039306	S	Field_Sample	0523202013	18:28:51	57:12:5	Cyanide	0.61	L3	mgng	0.61	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039311	S	Field_Sample	0523202013	18:42:24	57:12:5	Cyanide	0.033	L3	mgng	0.57	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039312	S	Field_Sample	0523202013	18:43:33	57:12:5	Cyanide	0.61	L3	mgng	0.61	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039313	S	Field_Sample	0523202013	18:43:57	57:12:5	Cyanide	0.55	L3	mgng	0.58	AS	0.6342
462356	MFSL.18	MFSL.23	19-14039314	S	Field_Sample	0523202013	18:48:33	57:12:5	Cyanide	0.83	L3	mgng	0.83	AS	0.6342

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No.	48266	SDG No.	MF9L18	SDG Nos. To Follow	Mod. Ref No.	Date Rec.	06/05/19
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EPA Lab ID:	ALS	ORIGINALS	YES	NO	N/A
Lab Location:	Salt Lake City, UT	CUSTODY SEALS			
Region:	6	1. Present on package?	X		
Re Submitted CSF?	Yes	2. Intact upon receipt?	X		
Box No(s):	1	FORM DC-2			
COMMENTS:	14.15. Sample tags were not required for this case.	3. Numbering scheme accurate?	X		
		4. Are enclosed documents listed?	X		
		5. Are listed documents enclosed?	X		
		FORM DC-1			
		6. Present?	X		
		7. Complete?	X		
		8. Accurate?	X		
		TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)			
		9. Signed?	X		
		10. Dated?	X		
		AIRBILLS/AIRBILL STICKER			
		11. Present?	X		
		12. Signed?	X		
		13. Dated?	X		
		SAMPLE TAGS			
		14. Does DC-1 list tags as being included?			X
		15. Present?			X
		OTHER DOCUMENTS			
		16. Complete?	X		
		17. Legible?	X		
		18. Original?	X		
		18a. If "NO", does the copy indicate where original documents are located?			X

Over for additional comments.

Audited by: 

Audited by: _____

Signature

S. Meekins / ESAT Data Reviewer

Date 06/24/19

Date _____

Printed Name/Title

DC-2

USEPA CLP COC (REGION COPY)
DateShipped: 5/13/2013
CarrierName: FedEx
AirBillNo: 7752 0178 7364

CHAIN OF CUSTODY RECORD

Lane Plating
Case # 48288
Cocaine 4

No: 6-051319-153545-0006
Lab: ALS Laboratory Group - Salt Lake City
Lab Contact: Meredith Edwards
Lab Phone: 801-228-7700

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DateShipped: 5/14/2019
CarrierName: FedEx
AirBillNo: 775201793407

CHINOMESTOY 88

Lane Platting
Case #. 48-2356
Cooler

No: 6051419-114956-0007
Lat: A/S Laboratory Group - Salt Lake City
Lab Contact: Meredith Edwards
Lab Phone: 801-266-7700

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USEPA CLP COC (REGION COPY)

Datashipped: 5/14/2018

CarrierName: FedEx

AirbillNo: 7752 0179 3407

CHAIN OF CUSTODY RECORD

Lane Platting

Case #: 48266

Cooler #:

No: 6-051419-114956-0007
 Lab: ALS Laboratory Group - Salt Lake City
 Lab Contact: Meredith Edwards
 Lab Phone: 801-266-7700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
DSB-4-0-0.5	MF9L13	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	139 (Ice to 6C) (1)	DSB-4-0-0.5	05/14/2019 09:27	Field Samples
DSB-4-0.5-2.0	MF9L20	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	141 (Ice to 6C) (1)	DSB-4-0.5-2.0	05/14/2019 09:28	Field Sample
DSB-4-13.0-15.0	MF9L21	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	143 (Ice to 6C) (1)	DSB-4-13.0-15.0	05/14/2019 08:35	Field Sample
DSB-5-0-0.5	MF9L22	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	145 (Ice to 6C) (1)	DSB-5-0-0.5	05/14/2019 10:00	Field Sample
DSB-5-0.5-2.0	MF9L23	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	147 (Ice to 6C) (1)	DSB-5-0.5-2.0	05/14/2019 10:02	Field Sample
DSB-5-2.0-5.0	MF9L24	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	149 (Ice to 6C) (1)	DSB-5-2.0-5.0	05/14/2019 10:05	Field Sample
DSB-5-9.0-11.0	MF9L25	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	151 (Ice to 6C) (1)	DSB-5-9.0-11.0	05/14/2019 10:10	Field Sample
DSB-6-0-0.5	MF9L26	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	153 (Ice to 6C) (1)	DSB-6-0-0.5	05/14/2019 10:43	Field Sample
DSB-6-0.5-2.0	MF9L27	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	155 (Ice to 6C) (1)	DSB-6-0.5-2.0	05/14/2019 10:44	Field Sample
DSB-6-13.0-15.0	MF9L28	Soil/Aaron Bugher	Grab	ICPAES+MS+Hg+CN(21)	157 (Ice to 6C) (1)	DSB-6-13.0-15.0	05/14/2019 10:50	Field Sample

Special Instructions: Case: 48266 - ICP-AES 5-10 Metals: Al, Ca, Fe, K, Mg, Mn, Na
 ICP-MS 11+ Metals: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Tl, V, Zn
 + Mercury + Cyanide

Analysis Key: ICPAES+MS+Hg+CN=ICPAES+MS+Hg+CN((ISM02.4))

Shipment for Case Complete? N
 Samples Transferred From Chain of Custody #

Item/Reason	Relinquished by (Signature and Organization)	Dated/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		5/14/19 200	Field Spec (cont'd)	5/14/19 200	

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